

discriminating the transfer destination information included in the protocol signal;

conversion means for converting the received facsimile image data into an e-mail data format; and

transmission means for designating an e-mail destination of the computer network on the basis of the discriminated transfer destination information, and transmitting the e-mail data converted by said conversion means to a destination designated by the transfer destination information.

13. (Twice Amended) A method for a communication apparatus, connected to a computer network and a public telephone network, the communication apparatus having a facsimile communication function, the method comprising the steps of:

receiving a remote instruction including transfer destination information from the public telephone network by a protocol signal of a facsimile communication protocol;

receiving facsimile image data from the public telephone network;

converting the received facsimile image data into an e-mail data format; [and]

discriminating the transfer destination information including in the received protocol signal; and

designating an e-mail destination of the computer network based on the discriminated transfer destination information, and transmitting the converted e-mail data a destination designated by transfer destination information.

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14. (Amended) The method according to claim 13, wherein the remote instruction further includes password information of e-mail data, it is checked if e-mail transfer destination information corresponding to the transfer destination information is set in advance and if the received password information matches password information set in advance, and the converted e-mail data is transmitted in accordance with the checking results.

BBB
25. (Twice Amended) A storage medium which stores a computer program executed by a computer of a communication apparatus, connected to a computer and a public telephone network, the communication apparatus having a facsimile communication function, said computer program having:

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processing of receiving a remote instruction including transfer destination information from the public telephone network by a protocol signal of a facsimile communication protocol;
processing of receiving facsimile image data via the public telephone network;
processing of converting the received facsimile image data into an e-mail data format;
processing of discriminating the transfer destination information including in the received protocol signal; and
processing of designating an e-mail destination of the computer network based on the discriminated transfer destination information, and transmitting the converted e-mail data to a destination designated by transfer destination information.

BBB
36. (Twice Amended) A communication system including a communication apparatus which is connected to a computer network and a public telephone network, the communication

apparatus having a facsimile communication function, the computer network having an e-mail server,

wherein said communication apparatus receives facsimile image data from the public telephone network upon reception of a remote instruction including transfer destination information from the public network on the basis of a facsimile communication, converts the received facsimile image data into an e-mail data format, discriminates the transfer destination information included in a protocol signal of the facsimile communication, and transmits the e-mail data by designating an e-mail destination based on the discriminated transfer destination, and

said e-mail server receives the transmitted e-mail data in a postoffice corresponding to the e-mail destination.

37. (Twice Amended) A communication apparatus comprising:

means for connecting various types of networks which have unique formats and addresses, respectively;

means for receiving information data with destination address data via one of said networks from a transmission source, wherein said destination address data is included in a standard protocol signal; and

means for changing a format of said information data and said destination address data into another format corresponding to another type of network by discriminating said destination address data included in the standard protocol signal.

43. (Amended) A communication apparatus comprising:

means for connecting to a computer network;

means for connecting to a public telephone network;

facsimile reception means for receiving facsimile image data from a transmitting source via the public telephone network;

returning means for returning a message in response to a request received from the transmitting source via the public telephone network;

first instruction reception means for receiving an instruction generated based on said message returned by said returning means;

second instruction reception means for receiving an instruction indicates a facsimile communication without reception of the instruction by said first instruction reception means;

conversion means for converting the received facsimile image data into an e-mail data format;

processing means for processing the facsimile image data received by said facsimile reception means without performing the converting by said conversion means in a case where said second instruction reception means receives the instruction; and

transmission means for transmitting the e-mail data converted by said conversion means in accordance with the instruction received by said instruction by one of said first and said second reception means.

46. (Amended) The apparatus according to claim 45, wherein the tone signal is a DTMF signal.

47. (Amended) A communication apparatus comprising:

means for connecting various types of networks which have unique formats and addresses, respectively;

means for receiving information data with destination address data from a transmitting source via said networks;

means for returning a message in response to a request from the transmitting source via said networks;

means for receiving an instruction generated based on said message;

means for receiving another instruction different from said instruction based on said message;

means for processing said information data without changing the format in a case where the another instruction is received; and

means for changing a format of said information data and said destination address data into another format corresponding to another type of network in accordance with the received instruction.

55. (Amended) A computer program for a communication apparatus comprising:

computer readable program code means for connecting various types of networks that have unique formats and addresses, respectively;

computer readable program code means for receiving information data with destination address data via one of said networks from a transmission source, wherein said destination address data is included in a standard protocol signal; and

computer readable program code means for changing a format of said information data and said destination address data into another format corresponding to another type of network by discriminating said destination address data included in the standard protocol signal.

56. (Amended) A method for a communication apparatus comprising:

connecting to a computer network;

connecting to a public telephone network;

receiving facsimile image data from a transmitting source via the public telephone network;

returning a message in response to a request received from the transmitting source via the public telephone network;

receiving first instruction generated based on said message returned by a returning means;

receiving second instruction indicating a facsimile communication without reception of said first instruction received by said first instruction reception step;

converting the received facsimile image data into an e-mail data format;

processing the facsimile image data received by a facsimile reception means without performing the converting by said conversion step in a case where said second instruction reception step receives the instruction; and

transmitting the e-mail data converted by said conversion step in accordance with the instruction received by one of said first and said second instruction reception step.

57. (Amended) A computer program for a communication apparatus comprising:

computer readable program code means for connecting to a computer network;

computer readable program code means for connecting to a public telephone network;

computer readable program code means for receiving facsimile image data from a transmitting source via the public telephone network;

computer readable program code means for returning a message in response to a request received from the transmitting source via the public telephone network;

computer readable program code means for receiving first instruction generated based on said message returned by a returning means;

computer readable program code means for receiving second instruction indicating a facsimile communication without reception of said first instruction received by said first instruction reception code means;

computer readable program code means for converting the received facsimile image data into an e-mail data format;

computer readable program code means for processing the facsimile image data received by said facsimile reception code means without performing the converting by said conversion code means in a case where said second instruction reception code means receives the instruction; and

computer readable program code means for transmitting the e-mail data converted by said conversion means in accordance with the instruction received by one of said first and said second instruction reception code means.

58. (Amended) A method for a communication apparatus comprising:

connecting various types of networks which have unique formats and addresses, respectively;

receiving information data with destination address data from a transmitting source via said networks;

returning a message in response to a request from the transmitting source via said networks;

receiving an instruction generated based on said message;

receiving another instruction different from said instruction based on said message;

processing said information data without changing the format in a case where the another instruction is received; and

changing a format of said information data and said destination address data into another format corresponding to another type of network in accordance with the receiving instruction.

59. (Amended) A computer program for a communication apparatus comprising:

computer readable program code means for connecting various types of networks which have unique formats and addresses, respectively;

computer readable program code means for receiving information data with destination address data from a transmitting source via said networks;

computer readable program code means for returning a message in response to a request from the transmitting source via said networks;

computer readable program code means for receiving an instruction generated based on said message;

computer readable program code means for receiving another instruction different from said instruction based on said message;

computer readable program code means for processing said information data without changing the format in a case where the another instruction is received; and

computer readable program code means for changing a format of said information data and said destination address data into another format corresponding to another type of network in accordance with the receiving instruction.--